QUICK GUIDE

FOR CONNECTING CONTROLLERS D -100,200,300,500

RAINBOW internet monitoring service SCADA

Datakom cloud service RAINBOW SCADA provides connection of an unlimited number of equipment with compatible Datakom controllers . It enables remote management, parameter control, viewing statistics and logs via the Internet using a web browser or a free mobile phone application.

Connecting controllers to this cloud service is possible using the following modules installed on the back of the controller in the appropriate slots:

- DATAKOM 2G modem module for line controllers D-XXX MK2,3
- DATAKOM Ethernet module for line controllers D-100,200,300 MK2,3
- DATAKOM WIFI-Module for line controllers D-XXX MK2,3
- DATAKOM COMM module with Ethernet, RS-485 and USB Host interfaces for controllers D-500,700MK2,3

The required parameters can be configured both from the front panel of the controller and through the special free Datakom software. Rainbow Plus , which can be downloaded and installed from this link:

https ://datacom . com . tr / rainbow - plus /497/ ProductList ? lang =5

With this software you can:

1. Set up event notifications by email :

Note: it is not recommended to change the above settings of the mail account and the server for sending messages. If you want to change these settings, then your mail server must support operation without encryption.

2. SMS notifications and Internet connection settings via 2 G modem:
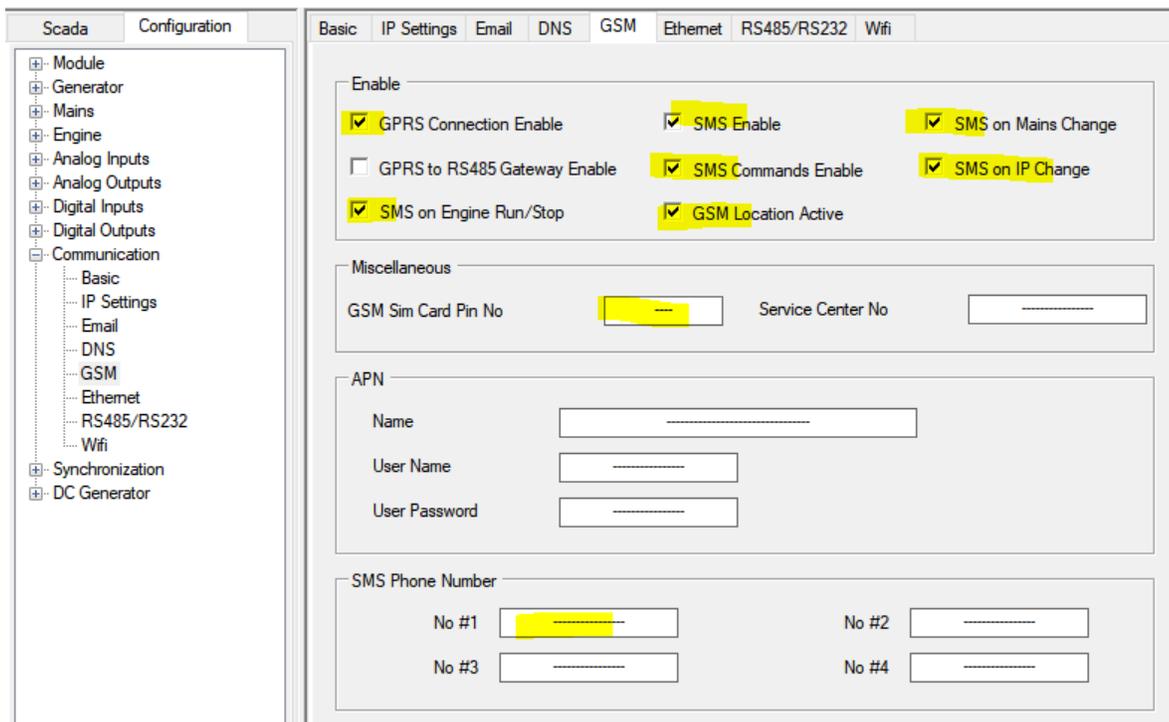
Notes: APN parameters and service center number are usually registered automatically. Numbers for SMS alerts must be specified in the international format. Your SIM card must have a paid SMS message package and an Internet connection.

3. Configure Ethernet interface parameters:
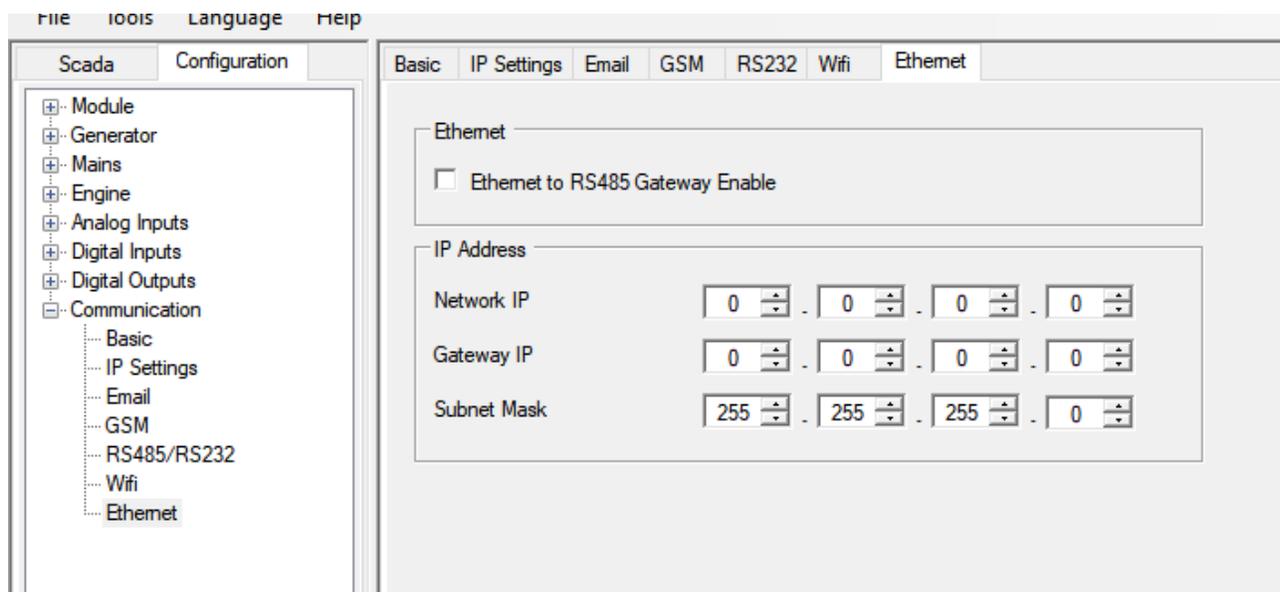
Notes: If the address and Gateway are zero, then the address is assigned from the local DHCP server.

Attention: In order to avoid problems with the "hanging" of the controller or problems with communication reliability, the Ethernet connection must be allocated to a separate virtual network (VLAN) or to a separate physical subnet on the router.
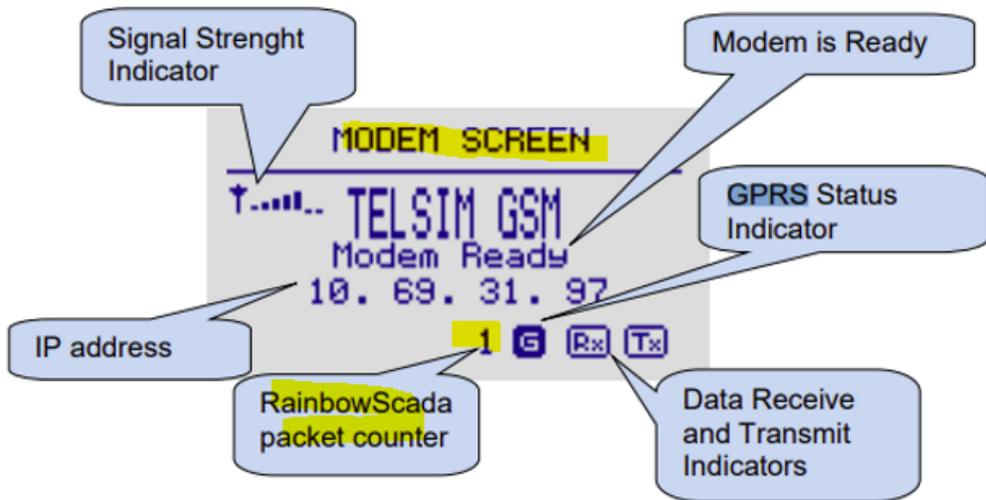
4. Configure WIFI module parameters:
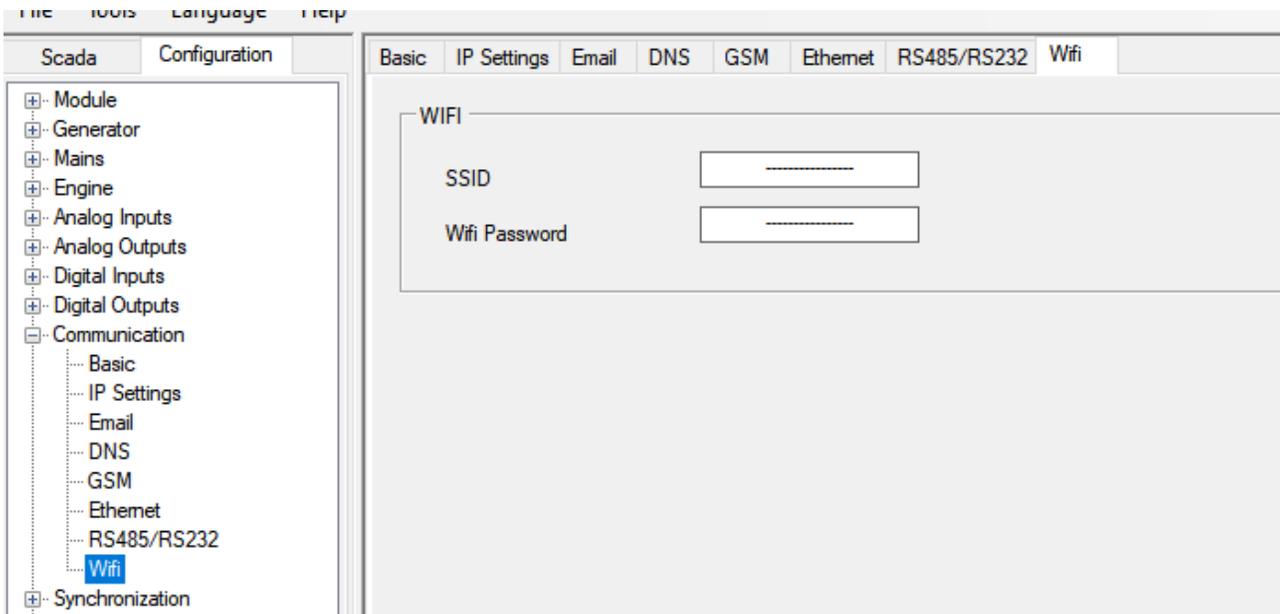
5. Configure the Rainbow Scada server address (wss1.datakom.com.tr):
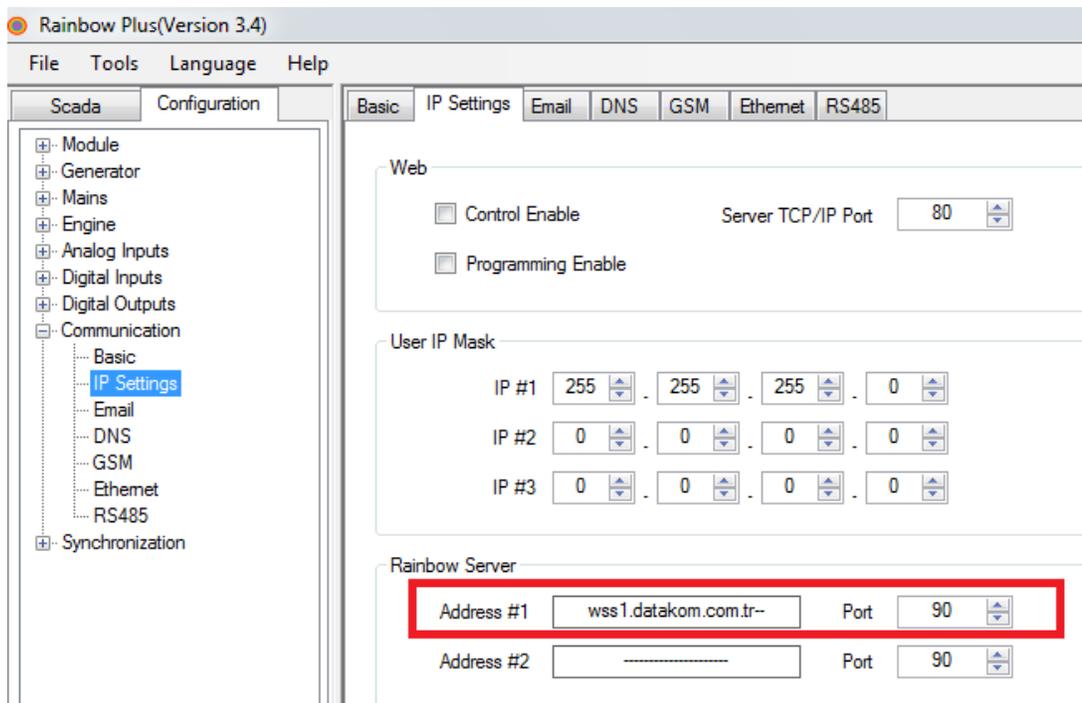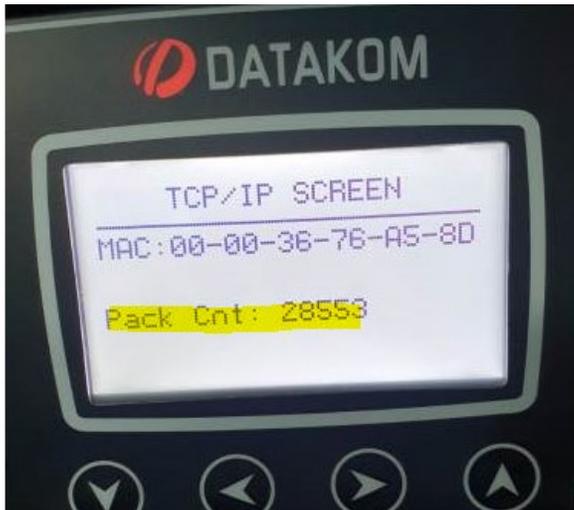

After the necessary above settings are made and the connection of the controller to the Internet is established, you can make sure that the controller has an active connection to the server. To do this, on the controller screen, you need to find the section corresponding to the type of your connection and see if the number of exchange packets with the Scada server changes over time (the frequency of change depends on the preset settings for the data exchange frequency).

For modem:

MODEM SCREEN

Signal Strenght Indicator
Modem is Ready
GPRS Status Indicator
IP address
RainbowScada packet counter
Data Receive and Transmit Indicators
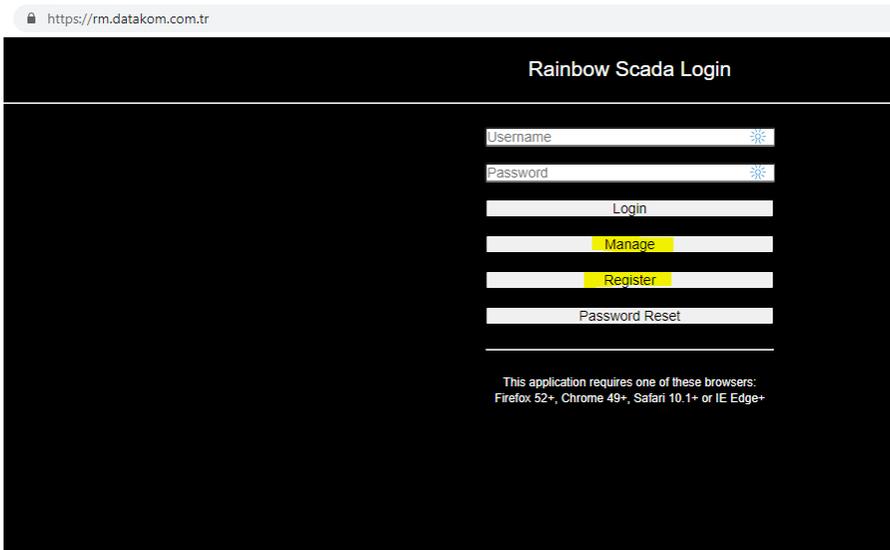
For Ethernet interface:

After that, you need to find on one of the controller screens its unique number, which will be used to add the device to the Rainbow service Scad a:
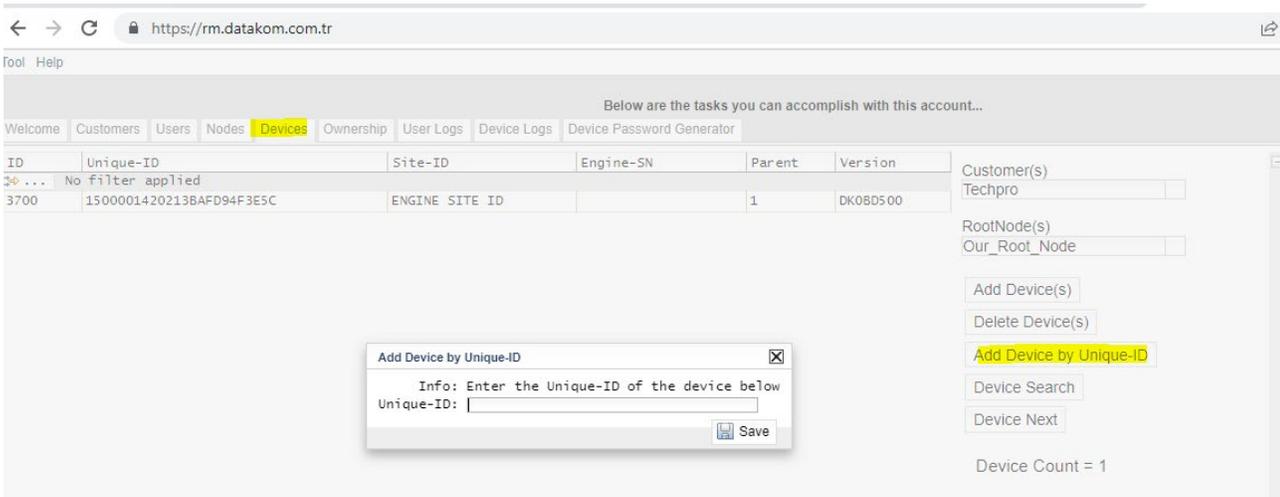
Then, you need to go to your Rainbow through your computer's web browser . scada account (Section Manage) . If there is no such account , then you must first register it:

https :// rm . datacom . com . tr /

Then, add a device according to the previously found Device Unique - ID :

Notes:

At the time of adding, your device must have an active connection to the Internet and to the Rainbow server scada . Otherwise, the device will not be found and added.

If your device has already been added to any other account on this server, then it cannot be added to your account until it is removed from the previous account . The issue of deletion is resolved through the owner of such an account , who must send a request to delete the device to Datakom by email : technical . support @ datacom . com . tr .

Each of the devices must be located in the corresponding node (node). If there is no Node , then you need to create it and move the device to it. Otherwise the device will be in Scada not active.

After the controller has been successfully added to your account , you can go to the main RAINBOW section scada . This can be done either through a web browser :

Or through the mobile phone app:

http :// www . datacom . com . tr /

Notes:

Devices that are currently inactive (which do not currently have a connection to the server) in the system are marked in gray.

Update of information about the activity of devices and their parameters is carried out with a certain frequency, provided by the current settings.

Complete information about connecting and using Rainbow scada can be obtained from these links:

http://www.datakom.com.tr/rainbow-scada/76/48/ProductDetails?lang=5

http://www.datakom.com.tr/upload/Files/REMOTE%20MONITORING.pdf

http://www.datakom.com.tr/upload/Files/RainbowScada_USER.pdf